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TI Articles of .beta.-alumina

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PI DE---2540119	A1	19760325	1975DE-2540119	19750909
FR---2284579	A1	19760409	1974FR-0031218	19740916
FR---2284579	B1	19781229		
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NO--7503125	A	19760317	1975NO-0003125	19750912
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AB Shaped articles of .beta.-alumina, which does not contain the allotropic .beta. form, are prep'd. from intimate mixts. of .alpha.- or .gamma.-alumina and 2 powd. alk. metal compds., one a fluoride and the other an aluminatc or carbonate, by firing at 1550-1800.degree. for 2-10 min (at higher temps. for shorter firing periods). Thus, a mixt. of .alpha.-Al₂O₃ 33.95, Na₂CO₃ 5.45, and cryolite 0.6 g is shaped into plates and fired 7 min at 1605.degree.. The product is pure .beta.-alumina and may be used in Na-S-type electrochem. generators.

IT 1344-28-1, reactions

(with alkali metal aluminates and carbonates and fluorides, for nonallotrophic sodium aluminate)

IT 497-19-8, reactions

(with alumina and cryolite, for nonallotrophic sodium aluminate)